

STATEMENT OF BASIS (AI No. 104702)

for draft Louisiana Pollutant Discharge Elimination System permit No. LA0116831 to discharge to waters of the State of Louisiana.

THE APPLICANT IS: RMM Maintenance & Repairs, LLC
Post Office Box 657
Garyville, Louisiana 70051

ISSUING OFFICE: Louisiana Department of Environmental Quality (LDEQ)
Office of Environmental Services
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

PREPARED BY: Michelle Bickham

DATE PREPARED: August 14, 2009

1. PERMIT STATUS**A. Reason For Permit Action:**

Permit reissuance of an Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term.

B. LPDES permits – LA0116831

LPDES permit effective date: July 1, 2004

LPDES permit expiration date: May 31, 2009

C. Date Application Received: February 9, 2009**2. FACILITY INFORMATION****A. FACILITY TYPE/ACTIVITY - barge cleaning and repair facility**

RMM Maintenance & Repairs, LLC, is a barge cleaning and repair facility. The facility cleans a maximum of seven barges per day. One ship may take from 4 to 7 days to clean. All solids are removed before the facility begins cleaning. River water is sprayed inside vessels starting at one end of the cargo hold and pumped overboard from the opposite end. Typical cargo barges that are cleaned by this facility carry: edible products, dry cargo, grain, limestone, rock, meal products, scrap steel, fertilizers, sugar, wood chips, sand, barite, magnesium oxide, cement, iron ore, coke coal, and bauxite. (See Attachment 1 for a complete list of commodities.)

B. FEE RATE

1. Fee Rating Facility Type: minor
2. Complexity Type: I
3. Wastewater Type: II
4. SIC code: 3731, 4491*

* In Appendix A - Section IV (Relation of 1987 to 1977 Industries) of the Standard Industrial Classification Manual, the SIC code 4491 is equivalent to a previous SIC code of 4463. As per LAC33:IX.1319 Table I, SIC code 4463 is assigned Complexity Type II. The Complexity Type has been BPJ'd from II to I to match other similar facilities.

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- C. LOCATION – main office located at the intersection of Highway 44 & Highway 54 at River Mile 141.6 and operating between River Miles 40 and 250, Plaquemines, St. Bernard, Orleans, Jefferson, St. Charles, St. John the Baptist, St. James, Iberville, Ascension, East Baton Rouge, and West Baton Rouge Parishes (main office – Latitude 30° 02' 11", Longitude 90° 36' 55")

3. **OUTFALL INFORMATION**

Outfall 001

Discharge Type: dry commodity vessel washwater
Treatment: none
Location: at the point of discharge from the vessel being washed prior to combining with other waters
Flow: intermittent
Discharge Route: Mississippi River

Outfall 002

Discharge Type: coal and coke vessel washwater
Treatment: none
Location: at the point of discharge from the vessel being washed prior to combining with other waters
Flow: intermittent
Discharge Route: Mississippi River

Outfall 003

Discharge Type: incoming ballast water and void water
Treatment: none
Location: at the point of discharge from the vessel prior to combining with other waters
Flow: intermittent
Discharge Route: Mississippi River

Outfall 004

Discharge Type: facility ballast water, dry dock ballast water, and void water
Treatment: none
Location: at the point of discharge from the vessel/dry dock prior to combining with other waters
Flow: intermittent
Discharge Route: Mississippi River

4. **RECEIVING WATERS**

STREAM - Mississippi River

BASIN AND SEGMENT - Mississippi River Basin, Segment 070201, 070301

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DESIGNATED USES - a. primary contact recreation
b. secondary contact recreation
c. propagation of fish and wildlife
d. drinking water supply

5. TMDL STATUS

The discharges from RMM Maintenance & Repairs, LLC are to the Mississippi River, Subsegments 070201 and 070301 of the Mississippi River Basin. Subsegments 070201 and 070301 are not listed on LDEQ's Final 2006 303(d) List as impaired, and to date no TMDL's have been established. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by any future TMDLs.

6. CHANGES FROM PREVIOUS PERMIT

- The description for Outfall 003 has been changed from "incoming ballast water from void tanks on customer barges" to "incoming ballast water and void water".
- Outfall 004, the discharge of facility ballast water, dry dock ballast water, and void water has been added to the permit.
- Stormwater Pollution Prevention Plan language is being replaced with BMP language in Part II.

7. COMPLIANCE HISTORY/COMMENTS

There have been no recent inspections at the facility. DMR's were reviewed for the last two years (5/07 - 5/09). All DMR's have been submitted in accordance with the existing permit.

8. EXISTING EFFLUENT LIMITS

Outfall 001- dry commodity barge washwater

No effluent limitations were established for dry commodity barge washwater. Best Management Practices (BMPs) for barge operations were included in Part II.

Outfall 002 - coal and coke barge washwater

Parameter	LPDES	
	Monthly Average	Daily Maximum
Flow	Report 1/week Est.	Report 1/week Est.
COD	250 mg/L 1/week Grab	400 mg/L 1/week Grab
TSS	---	Report 1/month Grab

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pH	6.0-9.0 s.u. 1/week Grab
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Outfall 003 – incoming ballast water from customer barges *

Parameter	LPDES	
	Monthly Average	Daily Maximum
Flow	Report 1/week Est.	Report 1/week Est.
COD	---	250 mg/L 1/week Grab
Oil & Grease	---	15 mg/L 1/week Grab
pH	6.0-9.0 s.u. 1/week Grab	

*one customer barge per week randomly sampled

9. ENDANGERED SPECIES

The receiving waterbody, Subsegments 070201 and 070301 of the Mississippi River Basin, have been identified by the U.S. Fish and Wildlife Service (FWS) as habitat for the Pallid Sturgeon, which is listed as an endangered species. LDEQ has not submitted this draft permit to the FWS for review in accordance with a letter dated November 17, 2008 from Rieck (FWS) to Nolan (LDEQ). As set forth in the Memorandum of Understanding between the LDEQ and the FWS, and based on information provided by the FWS, LDEQ has determined that the issuance of the LPDES permit is not likely to have an adverse effect upon the Pallid Sturgeon. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat. Therefore, the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat.

10. HISTORIC SITES

The discharge is from an existing facility location, which does not include an expansion on undisturbed soils. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the "Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

11. TENTATIVE DETERMINATION

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to issue a permit for the discharge described in the application.

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12. PUBLIC NOTICES

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

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Rationale for RMM Maintenance & Repairs, LLC

1. **Outfall 001:** dry commodity vessel washwater

Based on BPJ and on permits for similar facilities, no effluent limitations are established for washwaters from barges previously containing dry commodities (See Attachment 1). Best Management Practices (BMPs) for barge operations are listed in Part II.

2. **Outfall 002:** coal and coke vessel washwater

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
	mg/L		
Flow	Report	Report	LAC 33:IX.2701.1.1.b
COD	250	400	Similar discharges (BPJ)
TSS	Report	Report	Similar discharges (BPJ)
pH, s.u.	6.0 (min)	9.0 (max)	Similar discharges (BPJ)

BPJ Best Professional Judgment

Treatment: none

Monitoring Frequency: TSS shall be monitored once per month and Flow, COD and pH shall be monitored once per week at the point of discharge from the vessel being washed prior to combining with other waters.

Limits Justification: Limits and Monitoring Frequency are based on current guidance for similar discharges from other industrial facilities.

3. **Outfall 003:** incoming ballast water and void water

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
	mg/L		
Flow	Report	Report	
COD	---	250	Similar discharges (BPJ)
Oil & Grease	---	15	Similar discharges (BPJ)
pH, s.u.	6.0 (min)	9.0 (max)	Similar discharges (BPJ)

BPJ Best Professional Judgment

Treatment: none

Monitoring Frequency: Flow, COD, Oil & Grease and pH shall be monitored once per week at the point of discharge from the vessel prior to combining with other waters.

Limits Justification: Limits and Monitoring Frequency are based on current guidance for similar discharges from other industrial facilities.

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4. **Outfall 004:** facility ballast water, dry dock ballast water, and void water.

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
	mg/L		
Flow ¹	Report	Report	
COD ¹	---	250	Similar discharges (BPJ)
Oil & Grease ¹	---	15	Similar discharges (BPJ)
Visual Sheen ²	---	No presence	Similar discharges (BPJ)
pH, s.u. ¹	6.0 (min)	9.0 (max)	Similar discharges (BPJ)

BPJ Best Professional Judgment

Treatment: none

Monitoring Frequency: 1/day for Visual Sheen. Flow, COD, Oil & Grease and pH shall be monitored once per event at the point of discharge from the vessel/dry dock prior to combining with other waters.

Limits Justification: Limits and Monitoring Frequency are based on current guidance for similar discharges from other industrial facilities.

1. Discharge shall be sampled whenever there is a presence of a visible sheen.
2. When discharging.

Storm Water Pollution Prevention Plan (SWP3) Requirement

As per LAC33:IX.2511.B.14.k, stormwater discharges from facilities classified as SIC Codes 3731, 4491 are considered to be associated with industrial activities and accordingly require SWP3 requirements. However, an SWP3 is not included in the permit because the facility is a water related operation only. Barge BMPs are comparable to the SWP3 requirements; therefore, the barge BMPs will be applied instead.

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ATTACHMENT 1

List of Commodities

Grains, Food Additives and Other Biological Feedstocks

- Soybean meal
- Corn gluten feed pellets
- Expeller by products
- Corn distiller grain meal
- Beet pulp pellets
- Soyhulls
- Soyhull pellets
- Rice bran
- Peanut meal
- Corn
- Soybeans
- Rice,oats
- Fish meal
- Meat and bone meal
- Wheat
- Millet
- Sorghum
- Barley
- Wheat gluten

Pig Iron

Iron Ores to Include Direct Reduced Iron

- Sinter feeds
- Pellets
- Briquettes
- Ilmenite

Coal and Coke Products

- Coal
- Metallurgical coke
- Pitch
- Petroleum coke
- Anode butts (calcined pet coke)

Minerals

- Fluorspar
- Barite
- Bauxite
- Silica (olivine, zircon, bulk, other)
- Graphite
- Manganese
- Zinc
- Limestone

Food Products

- Sugar
- Salt
- Others

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Ferro Alloys

- Ferro manganese
- Ferro silicon
- Silico manganese
- Ferro chrome

Concentrates

- Zinc
- Lead
- Copper

Scrap

- Stainless
- Ferrous
- Others

Aluminum

- Ingots
- Slabs
- T-bars
- Sows

Alumina (bulk)

Fertilizers

- Potash
- Monoammonium phosphate (MAP)
- Diammonium phosphate (DAP)
- Ammonium sulphate
- Urea
- Others

Rubber products

- Pelletized
- Shredded
- Others

Wood products

- Plywood timber
- Chips
- Pallets
- Others

Stone, refractory

- Rock
- Granite
- Cement clinkers,
- Others

Miscellaneous

- Ores
- Alloys
- Minerals